SERFF Tracking Number: MRKA-125804064 State: Arkansas
Filing Company: Markel American Insurance Company State Tracking Number: EFT \$100

Company Tracking Number: ARORRR-081

TOI: 09.0 Inland Marine Sub-TOI: 09.0006 Other Personal Inland Marine

Product Name: Off-Road Recreational Vehicle

Project Name/Number:

Filing at a Glance

Company: Markel American Insurance Company

Product Name: Off-Road Recreational Vehicle SERFF Tr Num: MRKA-125804064 State: Arkansas

TOI: 09.0 Inland Marine SERFF Status: Closed State Tr Num: EFT \$100

Sub-TOI: 09.0006 Other Personal Inland Co Tr Num: ARORRR-081 State Status: Fees verified and

Marine received

Filing Type: Rate/Rule Co Status: Closed - File and Use Reviewer(s): Alexa Grissom, Betty

Montesi

Authors: Lisa Schuppner, Audrey Disposition Date: 09/25/2008

Hanken

Date Submitted: 09/24/2008 Disposition Status: Filed

Effective Date Requested (New): 12/15/2008 Effective Date (New): 12/15/2008

Effective Date Requested (Renewal): 03/15/2009 Effective Date (Renewal):

03/15/2009

State Filing Description:

General Information

Project Name: Status of Filing in Domicile: Pending

Project Number: Domicile Status Comments:

Reference Organization: Reference Number:
Reference Title: Advisory Org. Circular:

Filing Status Changed: 09/25/2008

State Status Changed: 09/25/2008 Deemer Date:

Corresponding Filing Tracking Number:

Filing Description:

Our currently approved Motorcycle and Recreational Vehicle program is now being split into separate off-road recreational vehicle (i.e. all terrain vehicles, golf carts and snowmobiles) and on-road (motorcycle) programs. This filing contains the Off Road Recreational Vehicle Program materials. All of the rate and rule materials for the Off Road Recreational Vehicle Program "me-too" the currently approved materials with the exceptions described in our filing memorandum. Please be advised that our off-road risks will be undergoing reclassification from Annual Statement

SERFF Tracking Number: MRKA-125804064 State: Arkansas
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Product Name: Off-Road Recreational Vehicle

Project Name/Number:

Lines 19 and 21 (Private Passenger Auto) to Annual Statement Line 9 (Inland Marine). This program is being reclassified in your state as a result of our recent review and determination regarding the appropriate line(s) of business for reporting the off road risks. Our statutory accountants will handle the reclassification.

The last program revision, with a rate impact, was filed and approved by your department effective September 18, 2006 under your filing #AR-PC-06-020922 (our filing #ARRECRR-062). All changes are detailed on the enclosed filing addendum. Any necessary supporting documentation is also enclosed.

We are filing these changes using your "prior approval" statutes with an effective date of December 15, 2008 for new business and March 15, 2009 for renewals. We understand this filing to be deemed approved if not disapproved within this time period. Please feel free to contact me if you have any questions or concerns regarding this filing.

Company and Contact

Filing Contact Information

Lisa Schuppner, Regulatory Compliance LSCHUPP@MARKELCORP.COM

P.O. Box 906 (800) 236-2862 [Phone] Pewaukee, WI 53072-0906 (262) 548-9790[FAX]

Filing Company Information

Markel American Insurance Company CoCode: 28932 State of Domicile: Virginia P.O. Box 906 Group Code: 785 Company Type: Insurance

Company

N14 W23800

Pewaukee, WI 53072-0906 Group Name: State ID Number:

(800) 236-2862 ext. [Phone] FEIN Number: 54-1398877

Filing Fees

Fee Required? Yes
Fee Amount: \$100.00

Retaliatory? No

Fee Explanation: \$100 per rate/rule filing.

Company Tracking Number: ARORRR-081

TOI: 09.0 Inland Marine Sub-TOI: 09.0006 Other Personal Inland Marine

Product Name: Off-Road Recreational Vehicle

Project Name/Number:

Our domicile of Virginia does not charge rate/rule filing fees.

Per Company: No

Company Tracking Number: ARORRR-081

TOI: 09.0 Inland Marine Sub-TOI: 09.0006 Other Personal Inland Marine

Product Name: Off-Road Recreational Vehicle

Project Name/Number:

COMPANY AMOUNT DATE PROCESSED TRANSACTION #

Markel American Insurance Company \$100.00 09/24/2008 22704388

Company Tracking Number: ARORRR-081

TOI: 09.0 Inland Marine Sub-TOI: 09.0006 Other Personal Inland Marine

Product Name: Off-Road Recreational Vehicle

Project Name/Number:

Correspondence Summary

Dispositions

Status	Created By	Created On	Date Submitted
Filed	Alexa Grissom	09/25/2008	09/25/2008

Company Tracking Number: ARORRR-081

TOI: 09.0 Inland Marine Sub-TOI: 09.0006 Other Personal Inland Marine

Product Name: Off-Road Recreational Vehicle

Project Name/Number: /

Disposition

Disposition Date: 09/25/2008

Effective Date (New): 12/15/2008

Effective Date (Renewal): 03/15/2009

Status: Filed Comment:

Company Name:	Overall % Rate Impact:	Written Premium Change for this Program:	# of Policy Holders Affected for this	Premium:	Maximum % Change (where required):	Minimum % Change (where required):	Overall % Indicated Change:
			Program:				
Markel American Insurance Company	0.000%	\$0	2,243	\$736,268	15.000%	-23.500%	0.000%

Company Tracking Number: ARORRR-081

TOI: 09.0 Inland Marine Sub-TOI: 09.0006 Other Personal Inland Marine

Product Name: Off-Road Recreational Vehicle

Project Name/Number: /

Item Type	Item Name	Item Status	Public Access
Supporting Document	Uniform Transmittal Document-Property Casualty	&Filed	Yes
Supporting Document	NAIC loss cost data entry document	Filed	Yes
Supporting Document	NAIC Loss Cost Filing Document for OTHER than Workers' Comp	Filed	Yes
Supporting Document	Filing Memorandum	Filed	Yes
Supporting Document	Rule and Rate Manual Listing	Filed	Yes
Supporting Document	Financial Responsibility Factor Support	Filed	Yes
Rate	General Rules	Filed	Yes
Rate	General Rules	Filed	Yes
Rate	General Rules	Filed	Yes
Rate	Pro Rata Table	Filed	Yes
Rate	Short Rate Table	Filed	Yes
Rate	Territory Page	Filed	Yes
Rate	Rate Page	Filed	Yes
Rate	Rate Page	Filed	Yes
Rate	Operator Age Factors	Filed	Yes
Rate	Financial Responsibility Factor Page	Filed	Yes
Rate	Symbol, Bike Age, CC Size and Acquisition Factors	Filed	Yes
Rate	Symbol Definitions	Filed	Yes
Rate	Surcharge/Credit Page	Filed	Yes
Rate	Surcharge/Credit Page	Filed	Yes

SERFF Tracking Number: MRKA-125804064 State: Arkansas

Filing Company: Markel American Insurance Company State Tracking Number: EFT \$100

Company Tracking Number: ARORRR-081

TOI: 09.0 Inland Marine Sub-TOI: 09.0006 Other Personal Inland Marine

Product Name: Off-Road Recreational Vehicle

Project Name/Number: /

Rate Information

Rate data applies to filing.

File and Use

Rate Change Type: Neutral

Overall Percentage of Last Rate Revision: 0.000%

Effective Date of Last Rate Revision: 09/18/2006

Filing Method of Last Filing: File and Use

Company Rate Information

Company Name:	Overall %	Overall % Rate	Written	# of Policy	Premium:	Maximum %	Minimum %
	Indicated	Impact:	Premium	Holders		Change (where	Change (where
	Change:		Change for	Affected for this		required):	required):
			this	Program:			
			Program:				
Markel American	0.000%	0.000%	\$0	2,243	\$736,268	15.000%	-23.500%

Insurance Company

Company Tracking Number: ARORRR-081

TOI: 09.0 Inland Marine Sub-TOI: 09.0006 Other Personal Inland Marine

Product Name: Off-Road Recreational Vehicle

Project Name/Number:

Rate/Rule Schedule

Review Status:	Exhibit Name:	Rule # or Page #:	Rate Action	Previous State Filing Number:	g Attachments
Filed	General Rules	P-1	Replacement	ARMC-992	OFF - AR - 2008 - Rules P-1.pdf
Filed	General Rules	P-2	Replacement	ARREC-051	OFF - AR - 2008 - Rules P-2.pdf
Filed	General Rules	P-3	Replacement	AR-PC-06-018356	
Filed	Pro Rata Table	P-2A	Replacement	ARMC-981	OFF - 2008 - P-2A.pdf
Filed	Short Rate Table	P-2B(1-4)	Replacement	AR-PC-06-018356	OFF - 2008 - P-2B.pdf
Filed	Territory Page	T-1	Replacement	ARREC-041	OFF - AR - 2008 - T.pdf
Filed	Rate Page	R-1, R-2	Replacement	AR-PC-06-018356	OFF - AR - 2008 - Rate R-1 R-2.pdf
Filed	Rate Page	R-3	Withdrawn	AR-PC-06-020922	
Filed	Operator Age Factors	AG-1	Replacement	ARREC-051	OFF - AR - 2008 - Factors AG.pdf
Filed	Financial Responsibility Factor Page	FR-1	New		OFF - AR - 2008 - Factors FR.pdf

Company Tracking Number: ARORRR-081

TOI: 09.0 Inland Marine Sub-TOI: 09.0006 Other Personal Inland Marine

Product Name: Off-Road Recreational Vehicle

Project Name/Number: /

Filed Symbol, Bike Age, CC MF-1 Replacement AR-PC-06-018356 OFF - AR - 2008 -

Factors MF.pdf

Size and Acquisition

Factors

Filed Symbol Definitions MF-2, MF-3, MF-Withdrawn ARREC-051

4

Filed Surcharge/Credit Q-1 Replacement ARREC-051 OFF - AR - 2008 -

Page Q.pdf

Filed Surcharge/Credit Q-2 Withdrawn ARREC-011

Page

ARKANSAS OFF ROAD RECREATIONAL VEHICLE RULE and RATE MANUAL RULES

Rule 1. - Definitions

All-Terrain Vehicle- An all-terrain vehicle is a four, six or eight wheel motor vehicle equipped with balloon tires or crawler treads, designed for use on rugged terrain or rugged terrain and water and not used for commercial purposes.

Golf Cart- A golf cart is a three or four wheel motor vehicle capable of speeds not greater than 25 miles per hour and can carry golfers and their equipment around a golf course or was designed for use in residential areas with low density traffic and low speed zones and not used for commercial purposes.

See page MF-1 for specific definitions by symbol.

Rule 2. - Policy Form

All-Terrain Vehicles and Golf Carts will be written using motorcycle policy MT4001, Declarations MT4000 and Recreational Vehicle Endorsement MT4007. Additional endorsements will be used as necessary for applicable coverages.

Rule 3. - Premium Determination

All rounding will be done according to Rule 8.

The Bodily Injury Liability and Property Damage Liability premiums will be determined as follows:

- A. Determine appropriate territory based on risk location (T Page).
- B. Determine the annual premium base rate for the territory from A. above. (R Pages).
- C. Multiply rate from B. above by the applicable increased limit factor (R Pages); Round.
- D. Multiply rate from C. above by the applicable vehicle CC size factor (MF Page); Round. (Where "cc" is shown, it means the cubic centimeter displacement of the engine.)
- E. Multiply rate from D. above by the applicable operator age factor (AG Page); Round.
- F. Multiply rate from E. above by the applicable vehicle symbol factor (MF Page); Round.
- G. Multiply rate from F. above by the applicable vehicle age factor (MF Page); Round.
- H. Multiply rate from G. above by the applicable financial responsibility factor (FR Page); Round.
- I. Multiply rate from H. above by the applicable acquisition factor (MF Page); Round.
- J. Multiply rate from I. above by the total Underwriting Surcharge/Discount factor (Q Pages); Round.

The Comprehensive and Collision premiums will be determined as follows:

- A. Determine appropriate territory (T Page).
- B. Determine the physical damage base rate for the territory from A. above. (R Pages)
- C. Divide the total value of the unit by 100.
- D. Multiply rate from B. above by the result from C. above.
- E. Multiply rate from D. above by the appropriate deductible credit (R Pages); Round.
- F. Multiply rate from E. above by the applicable vehicle CC size factor (MF Page); Round. (Where "cc" is shown, it means the cubic centimeter displacement of the engine.)
- G. Multiply rate from F. above by the applicable operator age factors (AG Page); Round.
- H. Multiply rate from G. above by the applicable vehicle symbol factor (MF Page); Round.
- I. Multiply rate from H. above by the applicable vehicle age factor (MF Page); Round.
- J. Multiply rate from I. above by the applicable financial responsibility factor (FR Page); Round.
- K. Multiply rate from J. above by the applicable acquisition factor (MF Page); Round.
- L. Multiply rate from K. above by the total Underwriting Surcharge/Discount factor (Q Pages); Round.

The Uninsured Motorists–Bodily Injury, Uninsured Motorists-Property Damage, Underinsured Motorists-Bodily Injury, Medical Payments and Funeral Expense premiums will be determined as follows:

- A. Determine the annual premium for the limit selected (R Pages).
- B. Multiply rate from A. above by the applicable financial responsibility factor (FR Page); Round.
- C. Multiply rate from B. above by the applicable acquisition factor (MF Page); Round.

The Personal Injury Protection Coverage premiums will be determined as follows:

- A. Determine the annual premium rate for the unit cc size selected.
- B. Multiply rate from A. above by the applicable financial responsibility factor (FR Page); Round.

Eff: 12/15/2008

C. Multiply rate from B. above by the applicable acquisition factor (MF Page); Round.

ARKANSAS OFF ROAD RECREATIONAL VEHICLE RULE and RATE MANUAL RULES

Rule 4. - Minimum Written and Earned Premium

There is a minimum written of \$50.00 per policy. There is a minimum earned of \$50.00 per policy on any insured requested cancellation.

Rule 5. - Policy Period

No policy may be written for a period longer than 12 months.

Rule 6. - Changes

- A. All changes requiring adjustments of premium shall be computed pro rata.
- B. If an outstanding policy is amended and results in a premium adjustment of less than \$5.00, such adjustment is waived, except that any actual premium will be returned at the request of the insured.

Rule 7. - Cancellation

- A. Cancellation may be effected by the Company for the reasons enumerated in the policy conditions.
- B. If a policy or form of coverage is canceled by the Company, the return premium shall be computed pro rata, and the table on Page P-2A shall be used.
- C. If a policy or form of coverage is canceled by the insured, the return premium shall be computed short rate and the tables on Pages P-2B shall be used.
- D. If a policy or form of coverage is canceled by the Company or by the insured and results in a return premium of less than \$5.00, such return is waived, except that any actual premium will be returned at the request of the insured.

Rule 8. - Whole Dollar Premium

The premium for each exposure shall be rounded to the nearest whole dollar, separately for each coverage provided by the policy. A premium involving \$.50 or more shall be rounded to the next higher whole dollar.

Rule 9. - Reserved for Future Use

Rule 10. - Acceptable Accessories

Accessory value is added to the unit value for rating.

All-Terrain Vehicle

Acceptable non-stock accessories include, but is not limited to, racks, floorboards, windshields and custom seats.

Golf Cart

Acceptable non-stock accessories include, but is not limited to, windshield, sun canopy, basket and utility attachments.

Rule 11. - Reserved for Future Use

Rule 12. - Installment Billing Fee

A fully earned fee of \$5.00 will be charged for each non-EFT/ACH and \$1.00 will be charged for all electronic funds transfer (EFT) and/or automated clearing house (ACH) installment billing issued by the Company under their optional installment billing plan.

Rule 13. - Reserved for Future Use

Rule 14. - Non-Sufficient Funds Fee

A \$25 fee will be charged to recover costs associated with processing non-sufficient funds.

Eff: 12/15/2008

OFF ROAD RECREATIONAL VEHICLE PROGRAM RULE AND RATE MANUAL PRO RATA TABLE

	January			February			March			April			May			June	
Day	Day		Day	Day		Day	Day		Day	Day		Day	Day		Day	Day	
of	of		of	of		of	of		of	of		of	of		of	of	
Month	Year	Ratio	Month	Year	Ratio	Month	Year	Ratio	Month	Year	Ratio	Month	Year	Ratio	Month	Year	Ratio
1 2	1 2	0.003 0.005	1 2	32 33	0.088 0.090	1 2	60 61	0.164 0.167	1 2	91 92	0.249 0.252	1 2	121 122	0.332 0.334	1 2	152 153	0.416 0.419
3	3	0.008	3	34	0.093	3	62	0.170	3	93	0.255	3	123	0.337	3	154	0.422
4	4	0.011	4	35	0.096	4	63	0.173	4	94	0.258	4	124	0.340	4	155	0.425
5	5	0.014	5	36	0.099	5	64	0.175	5	95	0.260	5	125	0.342	5	156	0.427
6 7	6 7	0.016 0.019	6 7	37 38	0.101 0.104	6 7	65 66	0.178	6 7	96 97	0.263 0.266	6 7	126 127	0.345 0.348	6 7	157 158	0.430 0.433
8	8	0.019	8	39	0.104	8	67	0.181 0.184	8	98	0.268	8	127	0.346	8	159	0.436
9	9	0.025	9	40	0.110	9	68	0.186	9	99	0.271	9	129	0.353	9	160	0.438
10	10	0.027	10	41	0.112	10	69	0.189	10	100	0.274	10	130	0.356	10	161	0.441
11	11	0.030	11	42	0.115	11	70	0.192	11	101	0.277	11	131	0.359	11	162	0.444
12 13	12 13	0.033 0.036	12 13	43 44	0.118 0.121	12 13	71 72	0.195 0.197	12 13	102 103	0.279 0.282	12 13	132 133	0.362 0.364	12 13	163 164	0.447 0.449
14	14	0.038	14	45	0.123	14	73	0.200	14	104	0.285	14	134	0.367	14	165	0.452
15	15	0.041	15	46	0.126	15	74	0.203	15	105	0.288	15	135	0.370	15	166	0.455
16	16	0.044	16	47	0.129	16	75	0.205	16	106	0.290	16	136	0.373	16	167	0.458
17 18	17 18	0.047 0.049	17 18	48 49	0.132 0.134	17 18	76 77	0.208 0.211	17 18	107 108	0.293 0.296	17 18	137 138	0.375 0.378	17 18	168 169	0.460 0.463
19	19	0.049	19	50	0.134	19	77 78	0.211	19	109	0.296	19	139	0.376	19	170	0.466
20	20	0.055	20	51	0.140	20	79	0.216	20	110	0.301	20	140	0.384	20	171	0.468
21	21	0.058	21	52	0.142	21	80	0.219	21	111	0.304	21	141	0.386	21	172	0.471
22 23	22 23	0.060 0.063	22 23	53 54	0.145 0.148	22 23	81 82	0.222 0.225	22 23	112 113	0.307 0.310	22 23	142 143	0.389 0.392	22 23	173 174	0.474 0.477
24	24	0.066	24	55	0.151	24	83	0.227	24	114	0.312	24	144	0.395	24	175	0.479
25	25	0.068	25	56	0.153	25	84	0.230	25	115	0.315	25	145	0.397	25	176	0.482
26	26	0.071	26	57	0.156	26	85	0.233	26	116	0.318	26	146	0.400	26	177	0.485
27 28	27 28	0.074 0.077	27 28	58 59	0.159 0.162	27 28	86 87	0.236 0.238	27 28	117 118	0.321 0.323	27 28	147 148	0.403 0.405	27 28	178 179	0.488 0.490
29	29	0.079	29	00	0.102	29	88	0.241	29	119	0.326	29	149	0.408	29	180	0.493
30	30	0.082	30			30	89	0.244	30	120	0.329	30	150	0.411	30	181	0.496
24	31	0.005				24		0.247				24	151	0.414			
31	31	0.085	31			31	90	0.247				31	131	0.414			
31	- 31	0.085	31			31	90	0.247				31	131	0.414			
	July	0.085		August			Septembe			October			November			December	r
Day	July Day	0.085	Day	Day		Day	Septembe Day		Day	Day		Day	November Day		Day	Day	r
	July	Ratio			Ratio	Day of	Septembe		of		Ratio		November		Day of Month		r Ratio
Day of	July Day of		Day of Month	Day of	Ratio 0.584	Day of Month	Septembe Day of Year 244	r	of Month	Day of	Ratio 0.751	Day of	November Day of		of Month 1	Day of	
Day of Month 1	July Day of Year 182 183	Ratio 0.499 0.501	Day of Month 1	Day of Year 213 214	0.584 0.586	Day of Month 1	September Day of Year 244 245	Ratio 0.668 0.671	of Month 1 2	Day of Year 274 275	0.751 0.753	Day of Month 1	November Day of Year 305 306	Ratio 0.836 0.838	of Month 1 2	Day of Year 335 336	Ratio 0.918 0.921
Day of Month 1 2 3	July Day of Year 182 183 184	Ratio 0.499 0.501 0.504	Day of Month 1 2 3	Day of Year 213 214 215	0.584 0.586 0.589	Day of Month 1 2 3	September Day of Year 244 245 246	Ratio 0.668 0.671 0.674	of Month 1 2 3	Day of Year 274 275 276	0.751 0.753 0.756	Day of Month 1 2 3	November Day of Year 305 306 307	Ratio 0.836 0.838 0.841	of Month 1 2 3	Day of Year 335 336 337	Ratio 0.918 0.921 0.923
Day of Month 1	July Day of Year 182 183	Ratio 0.499 0.501	Day of Month 1	Day of Year 213 214	0.584 0.586	Day of Month 1	September Day of Year 244 245	Ratio 0.668 0.671	of Month 1 2	Day of Year 274 275	0.751 0.753	Day of Month 1	November Day of Year 305 306	Ratio 0.836 0.838	of Month 1 2	Day of Year 335 336	Ratio 0.918 0.921
Day of Month 1 2 3	July Day of Year 182 183 184 185	Ratio 0.499 0.501 0.504 0.507	Day of Month 1 2 3	Day of Year 213 214 215 216	0.584 0.586 0.589 0.592	Day of Month 1 2 3 4 5 6	September Day of Year 244 245 246 247	Ratio 0.668 0.671 0.674 0.677	of Month 1 2 3 4	Day of Year 274 275 276 277	0.751 0.753 0.756 0.759	Day of Month 1 2 3	November Day of Year 305 306 307 308	Ratio 0.836 0.838 0.841 0.844	of Month 1 2 3 4 5	Day of Year 335 336 337 338	Ratio 0.918 0.921 0.923 0.926
Day of Month 1 2 3 4 5 6 7	July Day of Year 182 183 184 185 186 187	Ratio 0.499 0.501 0.504 0.507 0.510 0.512 0.515	Day of Month 1 2 3 4 5 6 7	Day of Year 213 214 215 216 217 218 219	0.584 0.586 0.589 0.592 0.595 0.597 0.600	Day of Month 1 2 3 4 5 6 7	Septembe Day of Year 244 245 246 247 248 249 250	Ratio 0.668 0.671 0.674 0.677 0.679 0.682 0.685	of Month 1 2 3 4 5 6 7	Day of Year 274 275 276 277 278 279 280	0.751 0.753 0.756 0.759 0.762 0.764 0.767	Day of Month 1 2 3 4 5 6 7	November Day of Year 305 306 307 308 309 310 311	Ratio 0.836 0.838 0.841 0.844 0.847 0.849	of Month 1 2 3 4 5 6 7	Day of Year 335 336 337 338 339 340 341	Ratio 0.918 0.921 0.923 0.926 0.929 0.932 0.934
Day of Month 1 2 3 4 5 5 6 7 8	July Day of Year 182 183 184 185 186 187 188	Ratio 0.499 0.501 0.504 0.507 0.510 0.512 0.515 0.518	Day of Month 1 2 3 4 4 5 6 7 8	Day of Year 213 214 215 216 217 218 219 220	0.584 0.586 0.589 0.592 0.595 0.597 0.600 0.603	Day of Month 1 2 3 4 4 5 6 7 8	Septembe Day of Year 244 245 246 247 248 249 250 251	Ratio 0.668 0.671 0.674 0.677 0.679 0.682 0.685 0.688	of Month 1 2 3 4 5 6 7 8	Day of Year 274 275 276 277 278 279 280 281	0.751 0.753 0.756 0.759 0.762 0.764 0.767 0.770	Day of Month 1 2 3 4 5 6 7 8	November Day of Year 305 306 307 308 309 310 311 312	Ratio 0.836 0.838 0.841 0.844 0.847 0.849 0.852 0.855	of Month 1 2 3 4 5 6 7 8	Day of Year 335 336 337 338 339 340 341 342	Ratio 0.918 0.921 0.923 0.926 0.929 0.932 0.934 0.937
Day of Month 1 2 3 4 5 6 7	July Day of Year 182 183 184 185 186 187	Ratio 0.499 0.501 0.504 0.507 0.510 0.512 0.515	Day of Month 1 2 3 4 5 6 7	Day of Year 213 214 215 216 217 218 219	0.584 0.586 0.589 0.592 0.595 0.597 0.600	Day of Month 1 2 3 4 5 6 7	Septembe Day of Year 244 245 246 247 248 249 250	Ratio 0.668 0.671 0.674 0.677 0.679 0.682 0.685	of Month 1 2 3 4 5 6 7	Day of Year 274 275 276 277 278 279 280	0.751 0.753 0.756 0.759 0.762 0.764 0.767	Day of Month 1 2 3 4 5 6 7	November Day of Year 305 306 307 308 309 310 311	Ratio 0.836 0.838 0.841 0.844 0.847 0.849	of Month 1 2 3 4 5 6 7	Day of Year 335 336 337 338 339 340 341	Ratio 0.918 0.921 0.923 0.926 0.929 0.932 0.934
Day of Month 1 2 3 4 5 6 7 8 9 10 111	July Day of Year 182 183 184 185 186 187 188 189 190 191	Ratio 0.499 0.501 0.504 0.507 0.510 0.512 0.515 0.518 0.521 0.523	Day of Month 1 2 3 4 5 6 7 8 9 10 111	Day of Year 213 214 215 216 217 218 220 221 222 223	0.584 0.586 0.589 0.592 0.595 0.597 0.600 0.603 0.605 0.608	Day of Month 1 2 3 4 5 6 7 8 9 10 111	September Day of Year 244 245 246 247 248 249 250 251 252 253 254	Ratio 0.668 0.671 0.677 0.679 0.682 0.685 0.685 0.690 0.693	of Month 1 2 3 4 5 6 7 8 9 10	Day of Year 274 275 276 277 278 279 280 281 282 283	0.751 0.753 0.756 0.759 0.762 0.764 0.767 0.770 0.773 0.775	Day of Month 1 2 3 4 5 6 7 8 9 10 11	November Day of Year 305 306 307 308 309 310 311 312 313 314 315	Ratio 0.836 0.838 0.841 0.844 0.847 0.852 0.855 0.858 0.860	of Month 1 2 3 4 5 6 7 8 9 10	Day of Year 335 336 337 338 339 340 341 342 343 344	Ratio 0.918 0.921 0.923 0.926 0.929 0.932 0.934 0.937 0.940 0.942
Day of Month 1 2 3 4 5 6 7 8 9 10 11 12	July Day of Year 182 183 184 185 186 187 188 189 190 191 192 193	Ratio 0.499 0.501 0.504 0.507 0.512 0.515 0.518 0.523 0.526 0.529	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12	Day of Year 213 214 215 216 217 218 219 220 221 222 223 224	0.584 0.586 0.589 0.592 0.595 0.597 0.600 0.603 0.605 0.608	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12	Septembe Day of Year 244 245 246 247 248 249 250 251 252 253 254 255	Ratio 0.668 0.671 0.677 0.679 0.682 0.685 0.688 0.690 0.693	of Month 1 2 3 4 5 6 7 8 9 10 11 12	Day of Year 274 275 276 277 278 279 280 281 282 283 284 285	0.751 0.753 0.756 0.759 0.762 0.764 0.767 0.770 0.773 0.775	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12	November Day of Year 305 306 307 308 309 310 311 312 313 314 315 316	Ratio 0.836 0.838 0.841 0.844 0.847 0.852 0.855 0.858 0.860 0.863 0.866	of Month 1 2 3 4 5 6 7 8 9 10 11 12	Day of Year 335 336 337 338 339 340 341 342 343 344 345	Ratio 0.918 0.921 0.923 0.926 0.929 0.932 0.934 0.937 0.940 0.942 0.945 0.948
Day of Month 1 2 3 4 5 6 7 8 9 10 111	July Day of Year 182 183 184 185 186 187 188 189 190 191	Ratio 0.499 0.501 0.504 0.507 0.510 0.512 0.515 0.518 0.521 0.523	Day of Month 1 2 3 4 5 6 7 8 9 10 111	Day of Year 213 214 215 216 217 218 220 221 222 223	0.584 0.586 0.589 0.592 0.595 0.597 0.600 0.603 0.605 0.608	Day of Month 1 2 3 4 5 6 7 8 9 10 111	September Day of Year 244 245 246 247 248 249 250 251 252 253 254	Ratio 0.668 0.671 0.674 0.677 0.679 0.682 0.685 0.688 0.690 0.693	of Month 1 2 3 4 5 6 7 8 9 10	Day of Year 274 275 276 277 278 279 280 281 282 283	0.751 0.753 0.756 0.759 0.762 0.764 0.767 0.770 0.773 0.775 0.778 0.781	Day of Month 1 2 3 4 5 6 7 8 9 10 11	November Day of Year 305 306 307 308 309 310 311 312 313 314 315	Ratio 0.836 0.838 0.841 0.844 0.847 0.852 0.855 0.858 0.860	of Month 1 2 3 4 5 6 7 8 9 10	Day of Year 335 336 337 338 339 340 341 342 343 344	Ratio 0.918 0.921 0.923 0.926 0.929 0.932 0.934 0.937 0.940 0.942
Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13	July Day of Year 182 183 184 185 186 187 188 189 190 191 192 193 194	Ratio 0.499 0.501 0.504 0.507 0.510 0.515 0.518 0.521 0.523 0.523 0.526 0.529	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13	Day of Year 213 214 215 216 217 218 219 220 221 222 223 224 225	0.584 0.586 0.589 0.592 0.595 0.597 0.600 0.603 0.605 0.608 0.611 0.614	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13	Septembe Day of Year 244 245 246 247 248 249 250 251 252 253 254 255 256	Ratio 0.668 0.671 0.677 0.679 0.682 0.685 0.688 0.690 0.693	of Month 1 2 3 4 4 5 6 7 8 9 10 11 12 13	Day of Year 274 275 276 277 278 279 280 281 282 283 284 285 286	0.751 0.753 0.756 0.759 0.762 0.764 0.767 0.770 0.773 0.775	Day of Month 1 2 3 4 5 6 7 7 8 9 10 11 12 13	November Day of Year 305 306 307 308 309 310 311 312 313 314 315 316 317	Ratio 0.838 0.841 0.844 0.847 0.852 0.855 0.858 0.860 0.863 0.866 0.868	of Month 1 2 3 4 5 6 7 8 9 10 11 12 13	Day of Year 335 336 337 338 339 340 341 342 343 344 345 346 347	Ratio 0.918 0.921 0.923 0.926 0.929 0.934 0.937 0.940 0.942 0.945 0.948
Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	July Day of Year 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196	Ratio 0.499 0.501 0.504 0.507 0.512 0.515 0.518 0.521 0.523 0.526 0.529 0.532 0.534 0.537	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Day of Year 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228	0.584 0.586 0.589 0.592 0.595 0.597 0.600 0.603 0.605 0.608 0.611 0.614 0.616 0.619 0.622	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Septembe Day of Year 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258	Ratio 0.668 0.671 0.677 0.679 0.682 0.685 0.690 0.693 0.696 0.699 0.701 0.704 0.707	of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Day of Year 274 275 276 277 278 280 281 282 283 284 285 286 287 288 289	0.751 0.753 0.756 0.759 0.762 0.764 0.767 0.770 0.773 0.775 0.778 0.784 0.786 0.789	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	November Day of Year 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319	Ratio 0.836 0.838 0.841 0.844 0.847 0.852 0.855 0.866 0.863 0.866 0.863 0.871	of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Day of Year 335 336 337 338 339 340 341 342 343 344 345 346 347 348 350	Ratio 0.918 0.921 0.923 0.926 0.929 0.932 0.934 0.937 0.940 0.942 0.945 0.948 0.951 0.956
Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	July Day of Year 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197	Ratio 0.499 0.501 0.504 0.507 0.510 0.515 0.518 0.521 0.522 0.532 0.534 0.537	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Day of Year 213 214 215 216 217 220 221 222 223 224 225 226 227 228 229	0.584 0.586 0.589 0.592 0.595 0.597 0.600 0.603 0.605 0.608 0.611 0.614 0.616 0.619 0.622	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Septembe Day of Year 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260	Ratio 0.668 0.671 0.674 0.677 0.679 0.682 0.685 0.688 0.690 0.693 0.596 0.701 0.704 0.707 0.712	of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Day of Year 274 275 276 277 278 280 281 282 283 284 285 286 287 288 289 290	0.751 0.753 0.756 0.759 0.762 0.764 0.767 0.770 0.773 0.775 0.778 0.781 0.784 0.789 0.792	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	November Day of Year 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321	Ratio 0.836 0.838 0.841 0.844 0.847 0.852 0.855 0.858 0.860 0.863 0.866 0.868 0.871 0.877 0.879	of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Day of Year 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351	Ratio 0.918 0.921 0.923 0.926 0.929 0.932 0.934 0.937 0.940 0.945 0.945 0.951 0.953 0.956
Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	July Day of Year 182 183 184 185 186 187 188 199 190 191 192 193 194 195 196 197 198	Ratio 0.499 0.501 0.504 0.507 0.512 0.515 0.518 0.521 0.523 0.522 0.532 0.532 0.534 0.537 0.542	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Day of Year 213 214 215 216 217 218 220 221 222 223 224 225 226 227 228 229 230	0.584 0.586 0.589 0.595 0.597 0.600 0.603 0.605 0.608 0.611 0.614 0.616 0.619 0.625 0.627	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Septembe Day of Year 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261	Ratio 0.668 0.671 0.674 0.677 0.679 0.682 0.685 0.690 0.693 0.696 0.699 0.701 0.704 0.707 0.710 0.712	of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Day of Year 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291	0.751 0.753 0.756 0.759 0.762 0.764 0.767 0.770 0.775 0.775 0.778 0.781 0.784 0.786 0.789 0.792 0.792	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	November Day of Year 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320	Ratio 0.836 0.836 0.841 0.844 0.847 0.855 0.855 0.860 0.863 0.866 0.868 0.871 0.874	of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Day of Year 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352	Ratio 0.918 0.921 0.923 0.926 0.929 0.934 0.937 0.940 0.942 0.945 0.951 0.953 0.956 0.959 0.962
Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	July Day of Year 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197	Ratio 0.499 0.501 0.504 0.507 0.510 0.515 0.518 0.521 0.522 0.532 0.534 0.537	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Day of Year 213 214 215 216 217 220 221 222 223 224 225 226 227 228 229	0.584 0.586 0.589 0.592 0.595 0.597 0.600 0.603 0.605 0.608 0.611 0.614 0.616 0.619 0.622	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Septembe Day of Year 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260	Ratio 0.668 0.671 0.674 0.677 0.679 0.682 0.685 0.688 0.690 0.693 0.596 0.701 0.704 0.707 0.712	of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Day of Year 274 275 276 277 278 280 281 282 283 284 285 286 287 288 289 290	0.751 0.753 0.756 0.759 0.762 0.764 0.767 0.770 0.773 0.775 0.778 0.781 0.784 0.789 0.792	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	November Day of Year 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321	Ratio 0.836 0.838 0.841 0.844 0.847 0.852 0.855 0.858 0.860 0.863 0.866 0.868 0.871 0.877 0.879	of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Day of Year 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351	Ratio 0.918 0.921 0.923 0.926 0.929 0.932 0.934 0.937 0.940 0.945 0.945 0.951 0.953 0.956
Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	July Day of Year 182 183 184 185 186 187 188 189 190 191 192 193 194 195 197 198 199 200 201 202	Ratio 0.499 0.501 0.504 0.507 0.512 0.515 0.518 0.521 0.522 0.532 0.526 0.534 0.534 0.540 0.542 0.545 0.545 0.545	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Day of Year 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233	0.584 0.586 0.589 0.592 0.595 0.600 0.603 0.605 0.608 0.611 0.614 0.614 0.619 0.622 0.625 0.627 0.633 0.636	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Septembe Day of Year 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263	Ratio 0.668 0.671 0.674 0.677 0.679 0.682 0.688 0.690 0.693 0.696 0.699 0.701 0.704 0.702 0.715 0.715 0.715 0.721	of Month 1	Day of Year 274 275 276 277 278 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294	0.751 0.753 0.756 0.759 0.762 0.764 0.767 0.773 0.775 0.778 0.781 0.784 0.789 0.792 0.795 0.795 0.800 0.803	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	November Day of Year 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325	Ratio 0.836 0.838 0.841 0.844 0.847 0.849 0.852 0.855 0.868 0.866 0.868 0.871 0.877 0.879 0.882 0.885 0.888	of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Day of Year 335 336 337 338 339 340 341 342 343 344 345 346 347 348 350 351 352 353 354 355	Ratio 0.918 0.921 0.923 0.926 0.929 0.932 0.934 0.937 0.945 0.945 0.948 0.951 0.956 0.959 0.962 0.964 0.967 0.970
Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	July Day of Year 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203	Ratio 0.499 0.501 0.504 0.507 0.515 0.515 0.518 0.521 0.523 0.523 0.529 0.532 0.534 0.537 0.542 0.545 0.548 0.548	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Day of Year 213 214 215 216 217 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234	0.584 0.586 0.589 0.592 0.595 0.597 0.600 0.603 0.605 0.611 0.614 0.616 0.619 0.622 0.625 0.627 0.630 0.636 0.636	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Septembe Day of Year 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264	Ratio 0.668 0.671 0.679 0.682 0.685 0.690 0.693 0.696 0.701 0.704 0.707 0.712 0.715 0.718 0.723 0.726	of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Day of Year 274 275 276 2777 278 279 280 281 282 283 284 285 286 287 288 290 291 292 293 294 295	0.751 0.753 0.756 0.759 0.762 0.764 0.767 0.773 0.775 0.778 0.781 0.784 0.789 0.792 0.795 0.797 0.803 0.803	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	November Day of Year 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326	Ratio 0.836 0.838 0.841 0.844 0.847 0.855 0.855 0.858 0.860 0.863 0.871 0.877 0.879 0.882 0.885 0.889 0.890	of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Day of Year 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354	Ratio 0.918 0.921 0.923 0.926 0.929 0.934 0.937 0.940 0.945 0.951 0.953 0.956 0.959 0.962 0.964 0.967 0.970
Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	July Day of Year 182 183 184 185 186 187 188 189 190 191 192 193 194 195 197 198 199 200 201 202	Ratio 0.499 0.501 0.504 0.507 0.512 0.515 0.518 0.521 0.522 0.532 0.526 0.534 0.534 0.540 0.542 0.545 0.545 0.545	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Day of Year 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233	0.584 0.586 0.589 0.592 0.595 0.600 0.603 0.605 0.608 0.611 0.614 0.614 0.619 0.622 0.625 0.627 0.633 0.636	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Septembe Day of Year 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263	Ratio 0.668 0.671 0.674 0.677 0.679 0.682 0.688 0.690 0.693 0.696 0.699 0.701 0.704 0.702 0.715 0.715 0.715 0.721	of Month 1	Day of Year 274 275 276 277 278 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294	0.751 0.753 0.756 0.759 0.762 0.764 0.767 0.773 0.775 0.778 0.781 0.784 0.789 0.792 0.795 0.795 0.800 0.803	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	November Day of Year 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325	Ratio 0.836 0.838 0.841 0.844 0.847 0.849 0.852 0.855 0.868 0.866 0.868 0.871 0.877 0.879 0.882 0.885 0.888	of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Day of Year 335 336 337 338 339 340 341 342 343 344 345 346 347 348 350 351 352 353 354 355	Ratio 0.918 0.921 0.923 0.926 0.929 0.932 0.934 0.937 0.945 0.945 0.948 0.951 0.956 0.959 0.962 0.964 0.967 0.970
Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	July Day of Year 182 183 184 185 186 187 188 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204	Ratio 0.499 0.501 0.504 0.507 0.512 0.515 0.518 0.521 0.523 0.526 0.532 0.534 0.537 0.542 0.545 0.545 0.545 0.545 0.545	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Day of Year 213 214 215 216 217 218 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235	0.584 0.586 0.589 0.595 0.597 0.600 0.603 0.605 0.608 0.611 0.614 0.619 0.622 0.625 0.633 0.633 0.636	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Septembe Day of Year 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 265	Ratio 0.668 0.671 0.674 0.677 0.679 0.682 0.688 0.690 0.693 0.696 0.701 0.704 0.707 0.712 0.715 0.718 0.721 0.723 0.726 0.729	of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Day of Year 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296	0.751 0.753 0.756 0.759 0.762 0.764 0.767 0.775 0.775 0.778 0.784 0.786 0.789 0.792 0.795 0.800 0.803	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	November Day of Year 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327	Ratio 0.836 0.838 0.841 0.844 0.847 0.849 0.855 0.858 0.860 0.863 0.866 0.868 0.871 0.874 0.879 0.882 0.885 0.888 0.893 0.896	of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Day of Year 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357	Ratio 0.918 0.921 0.923 0.926 0.929 0.934 0.937 0.940 0.945 0.955 0.956 0.959 0.966 0.959 0.966 0.967 0.970
Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	July Day of Year 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206	Ratio 0.499 0.501 0.504 0.507 0.512 0.515 0.518 0.521 0.523 0.526 0.529 0.532 0.534 0.537 0.542 0.545 0.545 0.553 0.556 0.559 0.566	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	Day of Year 213 214 215 216 217 228 229 230 231 232 233 234 235 237 238	0.584 0.586 0.589 0.597 0.600 0.603 0.605 0.611 0.614 0.619 0.622 0.625 0.633 0.633 0.638 0.641 0.644 0.644 0.644 0.649 0.652	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	Septembe Day of Year 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 260 261 262 263 264 265 266 267 268	Ratio 0.668 0.671 0.674 0.677 0.679 0.682 0.685 0.688 0.690 0.693 0.701 0.704 0.707 0.712 0.715 0.712 0.723 0.726 0.729 0.734 0.737	of Month 1	Day of Year 274 275 276 277 278 280 281 282 283 284 285 286 287 292 293 294 295 296 299 299	0.751 0.753 0.756 0.759 0.762 0.764 0.767 0.773 0.775 0.778 0.781 0.784 0.789 0.792 0.795 0.800 0.803 0.805 0.808 0.814 0.819	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	November Day of Year 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330	Ratio 0.836 0.838 0.841 0.844 0.847 0.852 0.855 0.858 0.860 0.863 0.866 0.868 0.871 0.877 0.879 0.882 0.888 0.890 0.893 0.896 0.899 0.901 0.904	of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	Day of Year 335 336 337 338 339 340 341 342 343 344 345 346 347 348 350 351 352 353 354 355 356 357 358	Ratio 0.918 0.921 0.923 0.926 0.929 0.934 0.937 0.940 0.945 0.948 0.951 0.956 0.959 0.962 0.964 0.967 0.973 0.975 0.978 0.984 0.986
Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	July Day of Year 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208	Ratio 0.499 0.501 0.504 0.507 0.512 0.515 0.521 0.523 0.526 0.529 0.532 0.534 0.542 0.545 0.545 0.548 0.553 0.566 0.559 0.566 0.569	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	Day of Year 213 214 215 216 217 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 235 237 238 239	0.584 0.586 0.589 0.592 0.597 0.600 0.603 0.605 0.608 0.611 0.614 0.619 0.622 0.625 0.633 0.633 0.633 0.636 0.638 0.638 0.644 0.644 0.647 0.645 0.655	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	Septembe Day of Year 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268	Ratio 0.668 0.671 0.677 0.679 0.682 0.685 0.690 0.693 0.696 0.693 0.701 0.704 0.707 0.712 0.715 0.718 0.723 0.726 0.729 0.732 0.734 0.737	of Month 1	Day of Year 274 275 276 277 278 279 280 281 282 283 284 285 286 287 289 290 291 292 293 294 295 296 297 298 299 300	0.751 0.753 0.756 0.759 0.762 0.764 0.767 0.777 0.777 0.775 0.778 0.784 0.786 0.789 0.792 0.795 0.797 0.800 0.803 0.805 0.805 0.811 0.814 0.814 0.819 0.822	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	November Day of Year 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331	Ratio 0.836 0.838 0.841 0.844 0.847 0.849 0.855 0.858 0.860 0.863 0.866 0.868 0.871 0.874 0.879 0.882 0.885 0.890 0.893 0.896 0.893 0.896 0.899 0.901	of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	Day of Year 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361	Ratio 0.918 0.921 0.923 0.926 0.929 0.934 0.937 0.940 0.945 0.951 0.953 0.956 0.962 0.964 0.967 0.970 0.973 0.975 0.978 0.981 0.984 0.984 0.986
Day of Month 1 2 3 4 4 5 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	July Day of Year 182 183 184 185 186 187 188 190 191 192 193 194 195 196 197 198 200 201 202 203 204 205 206 207 208 209	Ratio 0.499 0.501 0.504 0.507 0.510 0.512 0.515 0.518 0.521 0.523 0.526 0.532 0.534 0.537 0.540 0.545 0.548 0.551 0.556 0.559 0.662 0.566 0.567 0.570	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	Day of Year 213 214 215 216 217 222 223 224 225 226 227 228 229 230 231 232 233 234 235 235 237 238 239 240	0.584 0.586 0.589 0.595 0.597 0.600 0.603 0.605 0.608 0.611 0.614 0.619 0.622 0.625 0.633 0.633 0.636 0.638 0.644 0.644 0.647 0.649 0.655 0.655	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	Septembe Day of Year 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 267 268 269 270 271	Ratio 0.668 0.671 0.674 0.677 0.679 0.682 0.685 0.690 0.693 0.696 0.701 0.704 0.707 0.710 0.712 0.715 0.718 0.721 0.723 0.726 0.729 0.732 0.734 0.737 0.740 0.742	of Month 1	Day of Year 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301	0.751 0.753 0.756 0.759 0.762 0.764 0.767 0.773 0.775 0.778 0.784 0.786 0.789 0.792 0.792 0.795 0.800 0.803 0.805 0.808 0.811 0.814 0.816 0.819 0.822 0.825	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	November Day of Year 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332	Ratio 0.836 0.838 0.841 0.844 0.847 0.849 0.855 0.858 0.860 0.863 0.866 0.871 0.877 0.879 0.882 0.885 0.893 0.896 0.893 0.896 0.899 0.901 0.904	of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	Day of Year 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362	Ratio 0.918 0.921 0.923 0.926 0.932 0.934 0.937 0.940 0.945 0.948 0.953 0.956 0.959 0.962 0.964 0.967 0.970 0.973 0.975 0.981 0.984 0.989 0.992
Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	July Day of Year 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208	Ratio 0.499 0.501 0.504 0.507 0.512 0.515 0.521 0.523 0.526 0.529 0.532 0.534 0.542 0.545 0.545 0.548 0.553 0.566 0.559 0.566 0.569	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	Day of Year 213 214 215 216 217 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 235 237 238 239	0.584 0.586 0.589 0.592 0.597 0.600 0.603 0.605 0.608 0.611 0.614 0.619 0.622 0.625 0.633 0.633 0.633 0.636 0.638 0.638 0.644 0.644 0.647 0.645 0.655	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	Septembe Day of Year 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268	Ratio 0.668 0.671 0.677 0.679 0.682 0.685 0.690 0.693 0.696 0.693 0.701 0.704 0.707 0.712 0.715 0.718 0.723 0.726 0.729 0.732 0.734 0.737	of Month 1	Day of Year 274 275 276 277 278 279 280 281 282 283 284 285 286 287 289 290 291 292 293 294 295 296 297 298 299 300	0.751 0.753 0.756 0.759 0.762 0.764 0.767 0.777 0.777 0.775 0.778 0.784 0.786 0.789 0.792 0.795 0.797 0.800 0.803 0.805 0.805 0.811 0.814 0.814 0.819 0.822	Day of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	November Day of Year 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331	Ratio 0.836 0.838 0.841 0.844 0.847 0.849 0.855 0.858 0.860 0.863 0.866 0.868 0.871 0.874 0.879 0.882 0.885 0.890 0.893 0.896 0.893 0.896 0.899 0.901	of Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	Day of Year 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361	Ratio 0.918 0.921 0.923 0.926 0.929 0.934 0.937 0.940 0.942 0.945 0.951 0.953 0.956 0.962 0.964 0.967 0.970 0.973 0.975 0.978 0.981 0.984 0.986 0.989

OFF ROAD RECREATIONAL VEHICLE SHORT RATE TABLE

DAYS		DAYS

IN FORCE	ANNUAL	6 MONTH	3 MONTH	IN FOR	CE	ANNUAL	6 MONTH	3 MONTH
1	5%	6%	6%		51	24%	38%	66%
2	6%	7%	7%		52	25%	39%	66%
3	7%	8%	9%		53	25%	40%	67%
4	7%	9%	12%		54	25%	40%	68%
5	8%	10%	16%		55	26%	41%	69%
6	8%	11%	17%		56	26%	41%	70%
7	9%	12%	18%		57	26%	42%	70%
8	9%	13%	19%		58	26%	42%	71%
9	10%	14%	20%		59	27%	43%	73%
10	10%	15%	21%		60	27%	43%	74%
11	11%	16%	22%		61	27%	44%	74%
12	11%	17%	23%		62	27%	44%	75%
13	12%	18%	24%		63	28%	45%	76%
14	12%	18%	26%		64	28%	46%	77%
15	13%	19%	27%		65	28%	46%	78%
16	13%	19%	28%		66	29%	47%	78%
17	14%	20%	29%		67	29%	47%	79%
18	14%	20%	30%		68	29%	48%	81%
19	15%	21%	31%		69	29%	48%	82%
20	15%	21%	32%		70	30%	49%	82%
21	16%	22%	33%		71	30%	49%	83%
22	16%	23%	34%		72	30%	50%	84%
23	17%	23%	36%		73	30%	50%	85%
24	17%	24%	37%		74	31%	51%	86%
25	17%	24%	38%		75	31%	52%	86%
26	18%	25%	39%		76	31%	52%	87%
27	18%	25%	40%		77	32%	53%	89%
28	18%	26%	41%		78	32%	53%	90%
29	18%	26%	42%		79	32%	54%	90%
30	19%	27%	43%		80	32%	54%	91%
31	19%	27%	44%		81	33%	55%	92%
32	19%	28%	46%		82	33%	55%	93%
33	20%	29%	47%		83	33%	56%	94%
34	20%	29%	48%		84	34%	57%	94%
35	20%	30%	49%		85	34%	57%	95%
36	20%	30%	50%		86	34%	58%	97%
37	21%	31%	51%		87	34%	58%	98%
38	21%	31%	52%		88	35%	59%	98%
39	21%	32%	53%		89	35%	59%	99%
40	21%	32%	54%		90	35%	60%	100%
41	22%	33%	56%		91	35%	60%	100%
42	22%	34%	57%		92	36%	61%	
43	22%	34%	58%		93	36%	61%	
44	23%	35%	59%		94	36%	62%	
45	23%	35%	60%		95	37%	62%	
46	23%	36%	61%		96	37%	63%	
47	23%	36%	62%		97	37%	63%	
48	24%	37%	62%		98	37%	63%	
49	24%	37%	63%		99	38%	64%	
50	24%	38%	65%		100	38%	64%	

Eff: 12/15/2008

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OFF ROAD RECREATIONAL VEHICLE SHORT RATE TABLE

DAYS		
IN FORCE	ANNUAL	6 MONTH
101	38%	65%
102	38%	65%
103	39%	66%
104	39%	66%
105	39%	67%
106	40%	67%
107	40%	67%
108	40%	68%
109	40%	68%
110	41%	69%
111	41%	69%
112	41%	70%
113	41%	70%
114	42%	70%
115	42%	71%
116	42%	71%
117	43%	72%
118	43%	72%
119	43%	73%
120	43%	73%
120	44%	74%
121	44%	74%
122	44% 44%	74%
_		
124	44%	75%
125	45%	75%
126	45%	76%
127	45%	76%
128	46%	77%
129	46%	77%
130	46%	77%
131	46%	78%
132	47%	78%
133	47%	79%
134	47%	79%
135	47%	80%
136	48%	80%
137	48%	81%
138	48%	81%
139	49%	81%
140	49%	82%
141	49%	82%
142	49%	83%
143	50%	83%
144	50%	84%
145	50%	84%
146	50%	85%
147	51%	85%
148	51%	85%
1		

DAYS		
IN FORCE	ANNUAL	6 MONTH
149	51%	86%
150	52%	86%
151	52%	87%
152	52%	87%
153	52%	88%
154	53%	88%
155	53%	88%
156	53%	89%
157	54%	89%
158	54%	90%
159	54%	90%
160	54%	91%
161	55%	91%
162	55%	92%
163	55%	92%
164	55%	92%
165	56%	93%
166	56%	93%
167	56%	94%
168	57%	94%
169	57%	95%
170	57%	95%
171	57%	95%
172	58%	96%
173	58%	96%
174	58%	97%
175	58%	97%
176	59%	98%
177	59%	98%
178	59%	99%
179	60%	99%
180	60%	99%
181	60%	100%
182	60%	100%
183	61%	100%
184	61%	100%
185	61%	
186	61%	
187	61%	
188	62%	
189	62%	
190	62%	
191	62%	
192	63%	
193	63%	
194	63%	
195	63%	
196	63%	

OFF ROAD RECREATIONAL VEHICLE SHORT RATE TABLE

197	64%	
IN FORCE	ANNUAL	6 MONTH
DAYS		

DATS		
IN FORCE		6 MONTH
197	64%	
198	64%	
199	64%	
200	64%	
201	65%	
202	65%	
203	65%	
204	65%	
205	65%	
206	66%	
207	66%	
208	66%	
209	66%	
210	67%	
211	67%	
212	67%	
213	67%	
214	67%	
215	68%	
216	68%	
217	68%	
218	68%	
219	69%	
220	69%	
221	69%	
222	69%	
223	69%	
224	70%	
225	70%	
226	70%	
227	70%	
228	70%	
229	71%	
230	71%	
231	71%	
232	71%	
233	72%	
234	72%	
235	72%	
236	72%	
237	72%	
238	73%	
239	73%	
240	73%	
241	73%	
242	74%	
243	74%	
0	7-170	

DAYS

DAYS		
IN FORCE	ANNUAL	6 MONTH
245	74%	
246	74%	
247	75%	
248	75%	
249	75%	
250	75%	
251	76%	
252	76%	
253	76%	
254	76%	
255	76%	
256	77%	
257	77%	
258	77%	
259	77%	
260	77%	
261	78%	
262	78%	
263	78%	
264	78%	
265	79%	
266	79%	
267	79%	
268	79%	
269	79%	
270	80%	
271	80%	
272	80%	
273	80%	
274	81%	
275	81%	
276	81%	
277	81%	
278	81%	
279	82%	
280	82%	
281	82%	
282	82%	
283	83%	
284	83%	
285	83%	
286	83%	
287	83%	
_		
288	84%	
289	84%	
290	84%	
291 292	84% 85%	
292	85%	

244

74%

OFF ROAD RECREATIONAL VEHICLE SHORT RATE TABLE

DAYS

IN FORCE	ANNUAL
293	85%
294	85%
295	85%
296	85%
297	86%
298	86%
299	86%
300	86%
301	86%
302	87%
303	87%
304	87%
305	87%
306	88%
307	88%
308	88%
309	88%
310	88%
311	89%
312	89%
313	89%
314	89%
315	90%
316	90%
317	90%
318	90%
319	90%
320	91%
321	91%
322	91%
323	91%
324	92%
325	92%
326	92%
327	92%
328	92%
329	93%
330	93%
331	93%
332	93%
333	94%
334	94%
335	94%
336	94%
337	94%
338	94% 95%
339	95 <i>%</i> 95%
339 340	95% 95%
340 341	95% 95%
_	
342	95%

DAYS

IN FORCE	ANNUAL
343	96%
344	96%
345	96%
346	96%
347	97%
348	97%
349	97%
350	97%
351	97%
352	98%
353	98%
354	98%
355	98%
356	99%
357	99%
358	99%
359	99%
360	99%
361	100%
362	100%
363	100%
364	100%
365	100%

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ARKANSAS OFF ROAD RECREATIONAL VEHICLE RULE and RATE MANUAL TERRITORY PAGE

TERRITORY 1

Entire State

ARKANSAS OFF ROAD RECREATIONAL VEHICLE RULE and RATE MANUAL RATE PAGES

A. MANDATORY LIABILITY COVERAGE AT FINANCIAL RESPONSIBILITY LIMITS INCLUDES:

Bodily Injury Liability, Property Damage Liability

25/50/25	ENTIRE STATE
BI BASE RATE:	\$39
PD BASE RATE:	\$17

B. INCREASED LIMITS OF LIABILITY - Multiply this factor against base rate before other adjustments

	Bodily Injury Liability	Property Damage Liability
50/100/25	1.60	1.00
100/300/50	2.00	1.20
250/500/100	2.40	1.35

C. PHYSICAL DAMAGE COVERAGE INCLUDES:

Rate based on Actual Cash Value

	ENTIRE STATE
Comprehensive:	1.64%
Collision:	2.45%

Deductible:	<u>FACTOR</u>
\$2,000	0.65
\$1,500	0.70
\$1,000	0.75
\$500	0.87
\$250	1.00

D. OTHER COVERAGES - The following additional coverages are available for purchase:

1. Medical Payments

Provisions for this optional coverage are found in the motorcycle policy provisions.

<u>LIMIT</u>	<u>ANNUAL PREMIUM</u>
\$1,000	\$33
\$2,500	\$74
\$5,000	\$119

2. Uninsured Motorists - Bodily Injury

This optional coverage will be offered to all insureds up to their purchased BI liability limits. Selection rejection forms will be obtained when required.

<u>LIMIT</u>	ANNUAL RATE
\$25,000/50,000	\$51
\$50,000/\$100,000	\$92
\$100,000/\$300,000	\$128

ARKANSAS OFF ROAD RECREATIONAL VEHICLE RULE and RATE MANUAL RATE PAGES

D. OPTIONAL COVERAGES - Continued

3. Uninsured Motorists - Property Damage

This optional coverage will be offered to all insureds up to their purchased PD liability limits. Selection rejection forms will be obtained when required. A \$200 deductible will apply.

<u>LIMIT</u>	ANNUAL RATE
\$25,000	\$35
\$50,000	\$53

4. Underinsured Motorists - Bodily Injury

This optional coverage will be offered to all insureds up to their purchased BI liability limits. However, this coverage cannot be purchased unless the insured has also purchased UM-BI and the limit they purchase of this coverage must be equal to the purchased UM-BI limits. Selection rejection forms will be obtained when required.

<u>LIMIT</u>	ANNUAL RATE
\$25,000/50,000	\$53
\$50,000/\$100,000	\$95
\$100,000/\$300,000	\$133

5. Personal Injury Protection (PIP) Benefits

This optional coverage includes Medical Payments of \$5000, Work Loss up to \$7280 for income earners and \$3640 for non-income earners and Accidental Death Benefits of \$5000. Selection rejection forms will be obtained when required.

	Medical	Work Loss	Accidental
Cycle Size	<u>Payments</u>	<u>Expense</u>	<u>Death</u>
0-150cc	\$200	\$119	\$36
151-300cc	\$250	\$131	\$43
301-450cc	\$282	\$149	\$48
451-600cc	\$313	\$161	\$55
601-750cc	\$375	\$185	\$67
751-900cc	\$407	\$197	\$72
901-1050cc	\$438	\$209	\$79
1051-1250cc	\$463	\$217	\$87
Over 1250cc	\$482	\$226	\$96

6. Funeral Expense Coverage

Provisions for this optional coveage are found in the Funeral Expense Coverage Endorsement.

LIMIT \$5,000 ANNUAL RATE: \$20

ARKANSAS (03) OFF ROAD RECREATIONAL VEHICLE RULE and RATE MANUAL FACTOR PAGES

OPERATOR AGE FACTORS

	ALL-TERRAIN VEHICLE		GOLF	CART
	PHYSICAL			PHYSICAL
AGE OF	LIABILITY	DAMAGE	LIABILITY	DAMAGE
OPERATOR	FACTOR	FACTOR	FACTOR	FACTOR
14**	4.00	4.00	n/a	n/a
15**	4.00	4.00	n/a	n/a
16	4.00	4.00	0.85	0.85
17	4.00	4.00	0.85	0.85
18	4.00	4.00	0.85	0.85
19	4.00	4.00	0.85	0.85
20	4.00	4.00	0.85	0.85
21	2.50	2.50	0.85	0.85
22	2.50	2.50	0.85	0.85
23	2.50	2.50	0.85	0.85
24	2.50	2.50	0.85	0.85
25	1.15	1.15	0.85	0.85
26	1.15	1.15	0.85	0.85
27	1.15	1.15	0.85	0.85
28	1.15	1.15	0.85	0.85
29	1.15	1.15	0.85	0.85
30	1.15	1.15	0.85	0.85
31	1.15	1.15	0.85	0.85
32	0.85	0.85	0.85	0.85
33	0.85	0.85	0.85	0.85
34	0.85	0.85	0.85	0.85
35	0.85	0.85	0.85	0.85
36-40	0.85	0.85	0.85	0.85
41-45	0.85	0.85	0.85	0.85
46-50	0.85	0.85	0.85	0.85
51-55	0.85	0.85	0.85	0.85
56 - 60	0.85	0.85	0.85	0.85
61-65	0.85	0.85	0.85	0.85
66 and over	0.85	0.85	0.85	0.85

^{**} Operators under 16 are only allowed in the ATV program. They must have passed an ATV Rider Safety Course, but are excluded from vehicles over 90 cc's regardless if course is taken.

ARKANSAS (03) OFF ROAD RECREATIONAL VEHICLE RULE and RATE MANUAL FACTOR PAGES

FINANCIAL RESPONSIBILITY FACTORS

For the first year the Financial Responsibility factor is in effect, the impact of that factor will be capped at +/- 15% for renewal business only. For those policies, when the Financial Responsibility factor listed in the table below is: (a) greater than 1.15, then the applicable factor will be 1.15; and (b) less than 0.85, then the applicable factor will be 0.85; and (c) any other factor, then the applicable factor will remain the factor listed in the table below. When that period ends, the Financial Responsibility factors for renewal business will be the factors listed below.

FINANCIAL RESPONSIBILITY RANGE	FACTOR
1-550	1.65
551-600	1.35
601-650	1.20
651-700	1.10
701-750	1.00
751-800	0.95
801-850	0.88
851-900	0.82
901-950	0.75
951-997	0.65
998 - No Hit	1.00
999 - Thin	1.10

ARKANSAS (03) OFF ROAD RECREATIONAL VEHICLE RULE and RATE MANUAL FACTOR PAGES

I. SYMBOL FACT	ALL PROGRAMS		
			PHYSICAL
SYMBOL		LIABILITY	DAMAGE
NUMBER SYMBOL NAME		FACTOR	FACTOR
40	Off Road Vehicle: Sport/Performance ATV (4 wheel only)	0.54	1.50
41	Off Road Vehicle: Recreation/Utility ATV (4 wheel only)	0.38	1.06
42	42 Off Road Vehicle: Super Utility ATV (4, 6 & 8 wheel)		1.04
	& any pre-1986 ATV		
44	Off Road Golf Cart	0.45	0.65

^{*} The symbols apply to both new and renewal business. At renewal, the Company may change or add symbols.

II. VEHICLE AGE FACTORS - Model year will change on October 1st of each year

	ALL-TERRAIN VEHICLE		GOLF CART	
AGE OF VEHICLE	LIABILITY FACTOR	PHYSICAL DAMAGE FACTOR	LIABILITY FACTOR	PHYSICAL DAMAGE FACTOR
New	1.00	1.10	1.00	1.10
New	N/A	N/A	N/A	N/A
1 year	1.00	1.00	1.00	1.00
2 years	1.00	0.95	1.00	0.95
3 years	0.85	0.90	0.85	0.90
4 years	0.80	0.87	0.80	0.87
5 years	0.80	0.84	0.80	0.84
6 years	0.78	0.82	0.78	0.82
7 years	0.78	0.82	0.78	0.82
8-10 years	0.78	0.82	0.78	0.82
11 years & over	0.75	0.80	0.75	0.80

III. CC SIZE FACTORS

	ALL-TERRAIN VEHICLE		GOLF CART	
CUBIC		PHYSICAL		PHYSICAL
CENTIMETERS	LIABILITY	DAMAGE	LIABILITY	DAMAGE
OF ENGINE	FACTOR	FACTOR	FACTOR	FACTOR
0 - 150 cc's	1.00	1.00	1.00	1.00
151 - 300 cc's	1.00	1.00	1.00	1.00
301 - 450 cc's	1.00	1.00	1.00	1.00
451 - 600 cc's	1.00	1.00	1.00	1.00
601 - 750 cc's	1.00	1.00	1.00	1.00
751 - 900 cc's	1.00	1.00	1.00	1.00
901 - 1050 cc's	1.00	1.00	1.00	1.00
1051 - 1250 cc's	1.00	1.00	1.00	1.00
Over 1250 cc's	1.00	1.00	1.00	1.00

IV. ACQUISITION EXPENSE FACTORS

DISTRIBUTION CHANNEL	FACTOR
Direct	1.00
Manufacturer/Association	1.03
Agent	1.06

ARKANSAS OFF ROAD RECREATIONAL VEHICLE RULE and RATE MANUAL

UNDERWRITING SURCHARGES AND DISCOUNTS BY COVERAGE

The following surcharges and discount percentages will be additive and will be applied to each indicated coverage after all other factors have been applied. (See Premium Determination Rule on Rule Pages.) Where indicated, these surcharges and credits will not apply to ATV and/or Golf Carts. The maximum offset, if a credit, will be 35%.

SURCHARGES

RESERVED FOR FUTURE USE

APPLIES TO: % LIAB CP CL

2. MOTOR VEHICLE DRIVING RECORD

Violations in the last three years will be used. Minor violations will be those as accepted by the Department of Motor Vehicles in this state. Major violations will be defined as hit and run, reckless driving, driving under the influence of alcohol or driving under the influence of a drug/narcotic, implied consent, and reckless homicide.

2nd minor violation 3rd or over minor violation 50% Χ Χ 1st major violation; no other violations Χ Χ 75% 1st major violation; has other violations 100% Χ Χ Χ Χ 2nd or over major violation 150% Χ 1st chargeable at-fault accident** 25% Χ 2nd or over chargeable at-fault accident** 75% Χ Χ

DISCOUNTS

1. RENEWAL DISCOUNT

A renewal discount will be given on an annual basis to any insured who renews their policy with the Company.

-10% X	Χ	Χ
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2. SAFE DRIVER DISCOUNT

A discount will be given to any operator with no more than one minor violation and no chargeable at-fault accidents.

-10%	Χ	Χ	X

3. DRIVER EDUCATION/SAFETY COURSE DISCOUNT

Discount allowed for completion of any ATV driver education/safety course if insuring that type of vehicle.

'9	inat type of verticie.						
	-10%	Χ	Χ	Χ			

NOTE: This discount does not apply to Golf Carts (sym 44)

4. TRANSFER DISCOUNT

Discount allowed if insured had coverage for the ATV or golf cart with another insurance company within the previous six months.

-10%	Χ	Χ	Х

5. ANTI-THEFT DISCOUNT

Any ATV or golf cart equipped with a permanently attached electronic alarm or tracking device will be eligible for discount provided proof of purchase has been provided to company.

-10%	Χ	

6. MULTI-UNIT DISCOUNT

If the insured insures multiple units within the same policy, the following policy discount will be given:

2 units

3 or more units

-5%	Χ	Χ	Χ
-10%	Х	Х	Х

^{**}A chargeable at fault accident will be considered any accident that was caused either wholly or partially by the insured, a resident of the same household or other customary operator, (unless written evidence such as a police report is submitted exonerating the operator) where the damages due to the accident exceed \$1,000.

Company Tracking Number: ARORRR-081

TOI: 09.0 Inland Marine Sub-TOI: 09.0006 Other Personal Inland Marine

Product Name: Off-Road Recreational Vehicle

Project Name/Number:

Supporting Document Schedules

Review Status:

Satisfied -Name: Uniform Transmittal Document- Filed 09/25/2008

Property & Casualty

Comments:

Not required as all required information is contained in the General Information and Rate/Rule Schedule.

Review Status:

Satisfied -Name: NAIC loss cost data entry document Filed 09/25/2008

Comments:

Loss costs are not used for this program. Form RF-1 is attached.

Attachment: Ar RF-1 Off.pdf

Review Status:

Bypassed -Name: NAIC Loss Cost Filing Document Filed 09/25/2008

for OTHER than Workers' Comp

Bypass Reason: This program does not use loss costs.

Comments:

Review Status:

Satisfied -Name: Filing Memorandum Filed 09/25/2008

Comments: Attachment:

OFF - AR - 2008 - MEMO.pdf

Review Status:

Satisfied -Name: Rule and Rate Manual Listing Filed 09/25/2008

Comments: Attachment:

OFF - AR - 2008 - Rule List.pdf

Review Status:

Company Tracking Number: ARORRR-081

TOI: 09.0 Inland Marine Sub-TOI: 09.0006 Other Personal Inland Marine

Product Name: Off-Road Recreational Vehicle

Project Name/Number:

Satisfied -Name: Financial Responsibility Factor Filed 09/25/2008

Support

Comments:

Attachment:

Financial Responsibilty Factor Support.pdf

FORM RF-1 Rate Filing Abstract NAIC LOSS COST DATA ENTRY DOCUMENT

				Form RF-1
1.	This fi	iling transmittal is part of Company Tracking #	ARORRR-081	Rev. 4/96
2.		g is an adoption of an advisory organization loss cost filing, give of Advisory Organization and Reference/Item Filing Number	Not applicable.	
		Company Name	Company NAIC Number	
3.	A.	Markel American Insurance Company	B. 28932	
	Produ	ict Coding Matrix Line of Business (i.e., Type of Insurance)	Product Coding Matrix Line of Business (i.e., Sub-type of Insurance)	
4.	A.	09.0 Inland Marine	B. 09.0006 Other Personal Inland Marine	

5.

				FOR L	OSS COSTS ONLY		
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
COVERAGE	Indicated	Requested		Loss Cost	Selected	Expense	Co. Current
(See Instructions)	% Rate	% Rate	Expected	Modification	Loss Cost	Constant	Loss Cost
	Level Change	Level Change	Loss Ratio	Factor	Multiplier	(If Applicable)	Multiplier
All	0.0%	0.00%					
TOTAL OVERALL EFFECT	0.0%	0.00%					

6.	5 Year History	Rate Change	History				
Year	Policy Count	% of Change	Effective Date	State Earned Premium (000)	Incurred Losses (000)	State Loss Ratio	Countrywide Loss Ratio
2007	2,243	none	n/a	736,268	279,120	37.90%	53.10%
2006	2,559	-4.30%	3/2/2006	856,771	490,096	57.20%	42.01%
2005	2,591	1.15%	3/1/2005	781	409	52.39%	65.00%
2004	2,602	5.65%	4/1/2004	966	459	47.53%	56.80%
2003	2,415	13.8%	02/10/03	818	600	73.28%	55.93%

7.		
	Expense Constants	Selected Provisions
A.	Total Production Expense	7.6%
B.	General Expense + ULAE	17.6%
C.	Taxes, License & Fees	1.9%
D.	Underwriting Profit &	
	Contingencies	9%
E.	Other (explain)=-Invstmt Inc.	2.3%
F.	TOTAL	33.8%

8. N Apply Lost Cost Factors to Future Filings? (Y or N)

9. 15% Estimated Maximum Rate Increase for any Arkansas Insured (%) Territory (if applicable):

-23.5% Estimated Maximum Rate Decrease for any Arkansas Insured (%) Territory (if applicable)

Insureds with a Financial Responsibility range of 1-650

Insureds with a Financial Responsibility range of 851-997 that were in the prior Territory 1

ARKANSAS OFF ROAD RECREATIONAL VEHICLE PROGRAM FILING MEMORANDUM

<u>ALL Pages</u> Removed references to Motorcycles as splitting program into separate filings: Motorcycle and Off *All other changes are detailed below:*

IP-Panes	Due to cha	nges outlined below, individual rules may have moved to different page numbers.							
P-Pages	Rule 3	Revised to add financial responsibility component							
	Traic 5	Consolidated Rule 13 into Rule 3							
	Rule 9	Deleted Rule 9 - Financial Responsibility Filings.							
	Rule 9	This rule will remain blank and is reserved for future use.							
	Dula 10								
	Rule 10	Revised to clarify accessory value is added to the unit value for rating purposes							
	Rule 11	Deleted Rule 11 - Deductible for Comprehensive and Collision and moved available							
		deductibles and factors to the Rate page.							
		This rule will remain blank and is reserved for future use.							
	Rule 12	Added \$1 fee for electronic funds transfers (EFT) and automated clearing house (ACH transactions							
	Rule 13	Deleted Rule 13 - Acquisition Expense and included in Rule 3. Premium Determination.							
		This rule will remain blank and is reserved for future use.							
P-2A	Revised Tit	tle							
P-2B(1-4)	Revised Tit	tle							
T-1	Combined	all zip codes in the state into one Territory. Adopted the base rates from the lowest rated							
	territory.								
R-Pages	A. & C.	Retitled "Territory 2" as "Entire State" and deleted all other territories and corresponding							
		base rates.							
	C.	Moved deductibles and corresponding factors from Rules and added \$2,000 and \$1,500							
	C.	Moved deductibles and corresponding factors from Rules and added \$2,000 and \$1,500 as available deductibles.							
	C.	Moved deductibles and corresponding factors from Rules and added \$2,000 and \$1,500							
AG-1		Moved deductibles and corresponding factors from Rules and added \$2,000 and \$1,500 as available deductibles. Removed coverages not applicable to Off Road Recreational Vehicle							
AG-1		Moved deductibles and corresponding factors from Rules and added \$2,000 and \$1,500 as available deductibles.							
	No other ch	Moved deductibles and corresponding factors from Rules and added \$2,000 and \$1,500 as available deductibles. Removed coverages not applicable to Off Road Recreational Vehicle							
FR-1	No other ch	Moved deductibles and corresponding factors from Rules and added \$2,000 and \$1,500 as available deductibles. Removed coverages not applicable to Off Road Recreational Vehicle nanges were made. ancial Responsibility Factor Page							
FR-1 MF-1	No other ch	Moved deductibles and corresponding factors from Rules and added \$2,000 and \$1,500 as available deductibles. Removed coverages not applicable to Off Road Recreational Vehicle anges were made. Clarified symbol 42							
FR-1	No other ch Added Fina I. Deleted fro	Moved deductibles and corresponding factors from Rules and added \$2,000 and \$1,500 as available deductibles. Removed coverages not applicable to Off Road Recreational Vehicle nanges were made. ancial Responsibility Factor Page							
FR-1 MF-1	No other ch Added Fina I. Deleted fro	Moved deductibles and corresponding factors from Rules and added \$2,000 and \$1,500 as available deductibles. Removed coverages not applicable to Off Road Recreational Vehicle nanges were made. ancial Responsibility Factor Page Clarified symbol 42 m filing as many manufactures/models listed were no longer in production or representative							
FR-1 MF-1 MF-2 to MF-4	No other ch Added Fina I. Deleted fro of the symb	Moved deductibles and corresponding factors from Rules and added \$2,000 and \$1,500 as available deductibles. Removed coverages not applicable to Off Road Recreational Vehicle nanges were made. Clarified symbol 42 m filing as many manufactures/models listed were no longer in production or representative pol groupings.							
FR-1 MF-1	No other ch Added Fina I. Deleted fro	Moved deductibles and corresponding factors from Rules and added \$2,000 and \$1,500 as available deductibles. Removed coverages not applicable to Off Road Recreational Vehicle ancial Responsibility Factor Page Clarified symbol 42 m filing as many manufactures/models listed were no longer in production or representative pol groupings. Signification of the Accident Service of Page and The Accident Service of Serv							
FR-1 MF-1 MF-2 to MF-4	No other ch Added Fina I. Deleted fro of the symb	Moved deductibles and corresponding factors from Rules and added \$2,000 and \$1,500 as available deductibles. Removed coverages not applicable to Off Road Recreational Vehicle ancial Responsibility Factor Page Clarified symbol 42 m filing as many manufactures/models listed were no longer in production or representative pol groupings. St. Increased Hazard, Escort Serivce, Corporately Titled Surcharges and the Accident Forgiveness portion of the Motor Vehile Driving Record Surcharge: Removed as not							
FR-1 MF-1 MF-2 to MF-4	No other ch Added Fina I. Deleted fro of the symb	Moved deductibles and corresponding factors from Rules and added \$2,000 and \$1,500 as available deductibles. Removed coverages not applicable to Off Road Recreational Vehicle anges were made. Clarified symbol 42 m filing as many manufactures/models listed were no longer in production or representative pol groupings. Clarified Symbol 42 Increased Hazard, Escort Serivce, Corporately Titled Surcharges and the Accident Forgiveness portion of the Motor Vehile Driving Record Surcharge: Removed as not applicable to Off Road Recreational Vehicle							
FR-1 MF-1 MF-2 to MF-4	No other ch Added Fina I. Deleted fro of the symb	Moved deductibles and corresponding factors from Rules and added \$2,000 and \$1,500 as available deductibles. Removed coverages not applicable to Off Road Recreational Vehicle anges were made. Clarified symbol 42 m filing as many manufactures/models listed were no longer in production or representative pol groupings. Clarified Symbol 42 Increased Hazard, Escort Serivce, Corporately Titled Surcharges and the Accident Forgiveness portion of the Motor Vehile Driving Record Surcharge: Removed as not applicable to Off Road Recreational Vehicle 3. Driver Safety Course: Broadened discount by removing reference to trailer safety							
FR-1 MF-1 MF-2 to MF-4	No other ch Added Fina I. Deleted fro of the symb	Moved deductibles and corresponding factors from Rules and added \$2,000 and \$1,500 as available deductibles. Removed coverages not applicable to Off Road Recreational Vehicle anges were made. Clarified symbol 42 m filing as many manufactures/models listed were no longer in production or representative pol groupings. Clarified Symbol 42 Increased Hazard, Escort Serivce, Corporately Titled Surcharges and the Accident Forgiveness portion of the Motor Vehile Driving Record Surcharge: Removed as not applicable to Off Road Recreational Vehicle							

ARKANSAS OFF ROAD RECREATIONAL VEHICLE PROGRAM

RULE AND RATE MANUAL LISTING PAGE - EFFECTIVE 12/15/2008

	EDITION			
PAGE NO.	<u>DATE</u>	<u>INCLUSION</u>	DESCRIPTION	REASON:
P-1	12/15/2008	Included	GENERAL RULES	2008 Program Changes
P-2	12/15/2008	Included	GENERAL RULES	2008 Program Changes
P-3		Deleted	GENERAL RULES	Combined into P-2
P-2A	12/15/2008	Included	PRO RATA TABLE	Revised title
P-2B(1-4)	12/15/2008	Included	SHORT RATE TABLE	Revised title
T-1	12/15/2008	Included	TERRITORY PAGE	2008 Program Changes
R-1	12/15/2008	Included	RATE PAGE	2008 Program Changes
R-2	12/15/2008	Included	RATE PAGE	2008 Program Changes
R-3		Deleted	RATE PAGE	Combined into R-2
AG-1	12/15/2008	Included	OPERATOR AGE FACTORS	2008 Program Changes
FR-1	12/15/2008	Included	FINANCIAL RESPONSIBILITY FACTORS	2008 Program Changes
MF-1	12/15/2008	Included	SYMBOL, UNIT AGE, CC SIZE, AND	2008 Program Changes
			ACQUISITION EXPENSE FACTORS	
MF-2		Deleted	SYMBOL DEFINITIONS	2008 Program Changes
MF-3		Deleted	SYMBOL DEFINITIONS, CON'T	2008 Program Changes
MF-4		Deleted	SYMBOL DEFINITIONS, CON'T	2008 Program Changes
Q-1	12/15/2008	Included	SURCHARGE/CREDIT PAGES	2008 Program Changes
Q-2		Deleted	SURCHARGE/CREDIT PAGES	Combined into Q-1

MAIC & MIC Recreational Vehicle Program Financial Responsibility Factor Study

2003-2005

1st Party and 3rd Party:

rot r arty arra ora	r ary.							Pure			Comp		
ScoreGrp	ClaimCnt	IncLoss	EP	Avg Prem	LR	Freq	Sev	Prem	PPFct	Cred	Cred	WgtFct	SelectedFct
1-550	111	786,152	1,093,404	312	71.9%	3.16%	7,082	224	1.22	32.0%	1.45	1.38	1.65
551-600	398	2,897,328	4,014,893	322	72.2%	3.19%	7,280	232	1.27	60.6%	1.45	1.34	1.35
601-650	577	3,566,831	5,820,335	333	61.3%	3.30%	6,182	204	1.11	73.0%	1.07	1.10	1.20
651-700	822	4,392,009	8,876,828	337	49.5%	3.12%	5,343	167	0.91	87.1%	1.07	0.93	1.10
701-750	971	6,032,883	10,841,735	339	55.6%	3.04%	6,213	189	1.03	94.6%	0.95	1.02	1.00
751-800	880	5,721,031	10,463,111	339	54.7%	2.85%	6,501	186	1.01	90.1%	0.80	0.99	0.95
801-850	640	4,097,162	7,792,634	331	52.6%	2.72%	6,402	174	0.95	76.8%	0.75	0.90	0.88
851-900	417	2,719,695	5,104,176	330	53.3%	2.70%	6,522	176	0.96	62.0%	0.70	0.86	0.82
901-950	290	1,843,085	3,500,865	309	52.6%	2.56%	6,355	162	0.88	51.7%	0.70	0.80	0.75
951-997	1,284	8,897,619	15,365,703	311	57.9%	2.60%	6,930	180	0.98	100.0%	0.70	0.98	0.65
998 - No Hit	698	4,367,390	8,097,215	309	53.9%	2.7%	6,257	167	0.91	80.2%	1.00	0.93	1.00
999 - Thin File	277	2,253,683	3,357,847	313	67.1%	2.6%	8,136	210	1.15	50.6%	2.00	1.57	1.10
Total	7.365	47.574.867	84.328.746	325	56.4%	2.8%	6.460	184	1.00	100.0%			

Compliment of Credibility is American Modern Home Factors

Overall Impact is Revenue Neutral

ScoreGrp	Dist	Factor
1-550	2.4%	1.65
551-600	6.7%	1.35
601-650	8.4%	1.20
651-700	11.7%	1.10
701-750	13.5%	1.00
751-800	13.7%	0.95
801-850	10.9%	0.88
851-900	7.9%	0.82
901-950	6.5%	0.75
951-997	7.3%	0.65
998 - No Hit	9.1%	1.00
999 - Thin File	2.0%	1.10
Total	100.0%	-0.6%